

# Gabriella Crotti

## List of Publications by Year in descending order

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26  
papers

497  
citations

687363

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677142

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g-index

26  
all docs

26  
docs citations

26  
times ranked

257  
citing authors

#	ARTICLE	IF	CITATIONS
1	Compensation of Nonlinearity of Voltage and Current Instrument Transformers. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 1322-1332.	4.7	64
2	Evaluation of Flexible Rogowski Coil Performances in Power Frequency Applications. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 854-862.	4.7	61
3	Frequency Response of MV Voltage Transformer Under Actual Waveforms. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 1146-1154.	4.7	47
4	Overcoming Frequency Response Measurements of Voltage Transformers: An Approach Based on Quasi-Sinusoidal Volterra Models. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 2800-2807.	4.7	35
5	Frequency Compliance of MV Voltage Sensors for Smart Grid Application. IEEE Sensors Journal, 2017, 17, 7621-7629.	4.7	33
6	A Characterized Method for the Real-Time Compensation of Power System Measurement Transducers. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 1398-1404.	4.7	31
7	Pantograph-to-OHL Arc: Conducted Effects in DC Railway Supply System. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3861-3870.	4.7	31
8	Industrial Comparator for Smart Grid Sensor Calibration. IEEE Sensors Journal, 2017, 17, 7784-7793.	4.7	30
9	Medium Voltage Divider Coupled With an Analog Optical Transmission System. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 2349-2357.	4.7	27
10	Improvement of Agilent 3458A Performances in Wideband Complex Transfer Function Measurement. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 1108-1116.	4.7	18
11	Measuring Harmonics With Inductive Voltage Transformers in Presence of Subharmonics. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	4.7	17
12	Measurement of the Absolute Phase Error of Digitizers. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 1724-1731.	4.7	16
13	Extended SINDICOMP: Characterizing MV Voltage Transformers with Sine Waves. Energies, 2021, 14, 1715.	3.1	15
14	Parameters Affecting Ferroresonance in \$LCR\$ Electric Circuits. IEEE Transactions on Magnetics, 2008, 44, 870-873.	2.1	13
15	Experimental and modelling analysis of ferroresonant electric circuits. Journal of Magnetism and Magnetic Materials, 2007, 316, e299-e301.	2.3	12
16	Set Up and Characterization of a System for the Generation of Reference Magnetic Fields From 1 to 100 kHz. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 300-304.	4.7	11
17	Uncertainty Estimate Associated With the Electric Field Induced Inside Human Bodies by Unknown LF Sources. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 1436-1442.	4.7	9
18	Instrument Transformers for Power Quality Measurements: a Review of Literature and Standards. , 2021, , .		8

#	ARTICLE	IF	CITATIONS
19	Calibration of Voltage and Current Transducers for DC Railway Systems. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3850-3860.	4.7	6
20	Design and Implementation of a Resistive MV Voltage Divider. International Review of Electrical Engineering, 2017, 12, 26.	0.2	4
21	Impact of DC Transient Disturbances on Harmonic Performance of Voltage Transformers for AC Railway Applications. Sensors, 2022, 22, 2270.	3.8	4
22	Characterisation system for the evaluation of digital partial discharge measuring instruments. IET Science, Measurement and Technology, 2015, 9, 817-825.	1.6	3
23	Set up and characterization of a measuring system for PQ measurements in a MV site with PV generation. Acta IMEKO (2012), 2015, 4, 97.	0.7	1
24	Stray Parameter Evaluation of Voltage Transformers for PQ Measurement in MV Applications. , 2022, , .		1
25	Influence of probe size on the measurement accuracy of non-uniform ELF magnetic fields. Radiation Protection Dosimetry, 2004, 111, 369-372.	0.8	0
26	Contactless Electromagnetic Temperature Sensors for Spinning Devices. IEEE Transactions on Magnetics, 2009, 45, 4459-4462.	2.1	0